Working alone or with a partner, you will conduct a cancer research project. You will create this project using google.docs so that you can both work collaboratively and share your progress with me. Google.docs is a required platform. My email is sgansk@mypanthers.org

**Your cancer project will consist of 3 main parts; you must do all three parts!**

1. **BACKGROUND RESEARCH:**

Factual questions will be provided by the teacher. You will need to turn in a research file containing all of your notes, sources and any information used to answer the factual questions as completely as possible.

**Factual Questions:**

***THESE ARE ALL REQUIRED AND NEED TO BE ANSWERED AS COMPLETELY AS POSSIBLE***

1. What is the common name of the disease?
2. What is the scientific name of the disease?
3. Who is given credit for naming this cancer/ why is it called what it is?
4. What are the causes for this type of cancer?
5. Diagram and describe the body parts / systems affected by this disease. (visual aid required)
6. What are the warning signs and symptoms of the disease?
7. What are the risk factors for the disease / why might a person be prone to getting it?
8. What are the remission or recovery rates for this disease?
9. In what kind of cases is this disease terminal?
10. What specific treatments are used to treat this disease?
11. What are the side effects of the treatments used?
12. What statistical information can you locate and explain related to this disease? (visual aid / graphs required)
13. What 5 things should everyone know about this cancer?
14. Identify 5 interesting facts or items of note regarding this cancer.

**Some Cancer Types you might investigate:**

Skin Cancers: basal, Squamos, Melanoma, Kaposi’s Sarcoma

Oral Cancr Throat Cancer

Esophageal Cancer Pancreatic Cancer

Thyroid Cancer Renal Cell Carcinoma

Bladder Cancer Colorectal Cancer

Lung Cancer Breast Cancer

Brain Tumors Cervical Cancer

Endometrial Cancer (Uterine) Multiple Myeloma

Testicular Caner Prostate Cancer

Acute Lymphocytic Leukemia Chronic Myelogenous Leukemia

Acute nonlymphocytic Leukemia Chronic Lymphocytic Leukemia

Hodgkin’s Disease Non-Hodgkin’s Lymphoma

1. **INTERPRETIVE QUESTIONS AND INQUIRY:**
   1. These kinds of **questions are the result of your own original thinking**. You will need to generate one research question. It should be based on the preliminary research you have done on your chosen topic. Be sure to make your question as specific as possible and get teacher approval before you begin researching them.
   2. Alternatively, you may choose **to research one** or two of the interpretive questions provided by the teacher and use them to drive your background research.

**Interpretive Questions:**

1. What are the major causes of cancer among teens? How have these caused changed in the last 100 years?
2. How does cancer affect men and women differently? How is cancer treated differently in men and women?
3. How does childhood cancer affect the future lives of young men and women?
4. What are the most valuable resources our community provides for those diagnosed with cancer?
5. How is cancer treatment different today than treatment provided 25 years ago, 50 years ago, 100 years ago? How might cancer treatment be different in the future?
6. In 2011 Japan experienced an earthquake and tsunami that led to the failure of nuclear reactors. Find out how the nuclear meltdowns affected the cancer rates of those in the area during the disaster and predict how it will affect people in the future (both living and yet to be born). Be sure to thoroughly explain and support your positions with research.
7. What is the same and different between homeopathic / alternative cancer treatments and traditional cancer treatments? What might lead people to choose one form of treatment over another?
8. In 1998 Minnesota won a court case against “big tobacco.” What was the premise for the case, how was it resolved, and how has the case impacted Minnesotans and more specifically Minnesota’s Teens?
9. **LEARNING DOCUMENTATION:**

The method you will use to present your findings/ what you learned from this project to others. This may be a glog, a blog, a portfolio, a newsletter, a presentation, essay or research paper. Other ideas need teacher approval BEFORE you begin working on them.